

# UMAREX®

## T•D•P 45 SEMI-AUTO BB PISTOL

### OWNER'S OPERATION MANUAL



READ THIS OWNER'S MANUAL COMPLETELY. This airgun is not a toy. Treat it with the same respect you would a firearm. Always carefully follow the safety instructions found in this owner's manual and keep this manual in a safe place for future use.

**⚠ WARNING:** NOT A TOY. ADULT SUPERVISION REQUIRED. MISUSE OR CARELESS USE MAY CAUSE SERIOUS INJURY OR DEATH. MAY BE DANGEROUS UP TO 325 YARDS (297 METERS).

THIS IS A HIGH POWERED AIRGUN FOR USE BY THOSE 16 YEARS OF AGE OR OLDER. READ ALL INSTRUCTIONS BEFORE USING. THE PURCHASER AND USER SHOULD CONFORM TO ALL LAWS GOVERNING THE PURCHASE, USE, AND OWNERSHIP OF AIRGUNS.



**DESCRIPTION**



**OPERATION**



**CARE**



**SAFETY INSTRUCTIONS**





## SAFETY INSTRUCTIONS

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**⚠ WARNING:** THIS AIRGUN CAN CAUSE SERIOUS INJURY OR DEATH. READ AND FOLLOW THE INSTRUCTIONS CAREFULLY. DO NOT LOAD A PROJECTILE INTO THE AIRGUN UNTIL YOU ARE READY TO SHOOT. IF YOU DO LOAD A PROJECTILE AND THEN DECIDE NOT TO SHOOT, REMOVE IT EITHER MANUALLY OR BY SHOOTING THE AIRGUN AT A SAFE TARGET. AN UNLOADED AIRGUN WHICH IS “ON SAFE” IS SAFEST. ACCIDENTS HAPPEN FAST, PLEASE HANDLE THE AIRGUN SAFELY.

Airguns differ in their operation and you are never ready to fire any gun until you are thoroughly familiar with it. Read the following operating instructions thoroughly prior to operating.

These symbols,  , mark warnings and cautions in this operation manual. Carefully follow them for your own safety and the safety of others.



### CAUTION

FAILURE TO FOLLOW THE INSTRUCTIONS AND RECOMMENDATIONS IN THIS OWNER'S MANUAL MAY RESULT IN BODILY INJURY INCLUDING FACE, EYE, AND EAR INJURY, BLINDNESS, OR DEAFNESS.



### Operating Procedures

1. Learning the Parts of Your Air Pistol
2. Operating the Safety
3. Installing and Removing CO<sub>2</sub> Capsules
4. Loading and Unloading Projectiles
5. Aiming and Firing Safely
6. Use and Handling of CO<sub>2</sub> Capsules
7. Maintenance, Cleaning, and Storage
8. Trouble Shooting
9. Reviewing Safety
10. Repair / Service / Warranty



## DESCRIPTION

### 1. Learning the Parts of Your Air Pistol

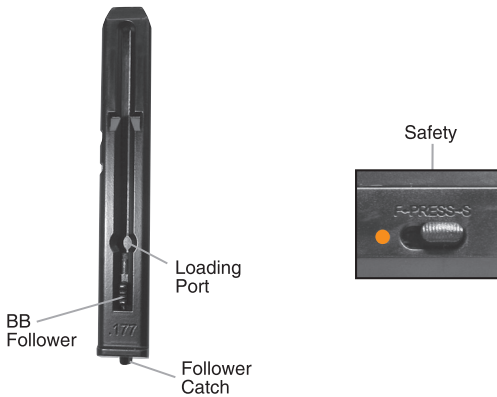


illustration 1



## OPERATION

**⚠ WARNING:** BE SURE THE AIRGUN IS ALWAYS POINTED IN A SAFE DIRECTION. NEVER POINT THE AIRGUN AT ANY PET OR PERSON EVEN IF IT IS UNLOADED. ALWAYS ASSUME AND HANDLE THE AIRGUN AS IF IT WERE LOADED AND READY TO FIRE.



### CAUTION

- ONLY HANDLE THE AIRGUN WHEN IT IS ON SAFE.
- ALWAYS MAKE SURE THAT THE MUZZLE POINTS INTO A SAFE DIRECTION.

## 2. Operating the Safety

### 2A. To Put the Umarex T•D•P 45 “ON SAFE”

- Locate the safety on the right side of the airgun above the trigger.
- Push in and forward (toward “S”) (illustration 2a).



Illustration 2a

### 2B. To Take the Umarex T•D•P 45 “OFF SAFE”

- Locate the safety on the right side of the airgun above the trigger.
- Push in and rearward (toward “F”) (illustration 2b).



Illustration 2b



### CAUTION

LIKE ALL MECHANICAL DEVICES, AN AIRGUN SAFETY CAN FAIL. EVEN WHEN THE SAFETY IS “ON SAFE”, YOU SHOULD CONTINUE TO HANDLE THE AIRGUN SAFELY. NEVER POINT THE AIRGUN AT ANYTHING YOU DO NOT INTEND TO SHOOT.



### CAUTION

NEVER INSERT THE MAGAZINE UNTIL YOU HAVE VERIFIED THE AIRGUN WILL DISCHARGE CO<sub>2</sub> PROPERLY.



## OPERATION

### 3. Installing and Removing CO<sub>2</sub> Capsules

#### 3A. Installing a New CO<sub>2</sub> Capsule

- Put the air pistol “ON SAFE” (See **Step 2A**).
- Remove the BB magazine.
- Turn the piercing knob on the bottom of the grip counterclockwise (**illustration 3**).
- Before installing a CO<sub>2</sub> capsule, place one drop of RWS Chamber lube on the top of the small end of the CO<sub>2</sub> capsule.
- Open the backstrap from the bottom of the grip (**illustration 4**).
- Insert the 12g CO<sub>2</sub> capsule, with the small neck of the capsule pointing upward into the grip, and close the backstrap, then turn the piercing knob clockwise until it pierces the CO<sub>2</sub> capsule. (**illustration 4 & 5**).
- Aim the air pistol in a SAFE DIRECTION
- Take “OFF SAFE” (See **Step 2B**)
- Make sure the gun is pointed in a safe direction. Pull the trigger to fire the pistol.
- If the air pistol does not make a popping noise after pulling the trigger, the CO<sub>2</sub> is not being discharged. In that event put the air pistol “ON SAFE” (See **Step 2A**). Remove the BB magazine. Turn the piercing knob on the bottom of the grip until you hear the capsule pierce. Replace the BB magazine.

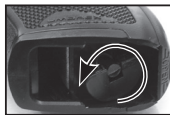


Illustration 3



Illustration 4



Illustration 5

**NOTE:** A slight seepage of CO<sub>2</sub> may occur until piercing screw is tight.

**NOTE:** Never try to force any CO<sub>2</sub> capsule into or out of place. Do not store your airgun with a CO<sub>2</sub> capsule in it. If you know you will not be using your airgun for an extended period of time, empty the CO<sub>2</sub> capsule and remove it from the airgun. (See **Step 3B**). This is very important to remember, as it will prolong the longevity of your airgun seals.

**⚠ WARNING:** USE ONLY 12g CO<sub>2</sub> CAPSULES. ANY ATTEMPT TO USE OTHER TYPES OF GAS CAPSULES COULD BE EXTREMELY DANGEROUS AND COULD RESULT IN SERIOUS INJURY OR DEATH. GASES OTHER THAN CO<sub>2</sub> COULD RESULT IN AN EXPLOSION OR RUPTURE OF THE AIRGUN.



## OPERATION

**⚠ WARNING:** KEEP HANDS AND FACE AWAY FROM ESCAPING CO<sub>2</sub> GAS. IT CAN CAUSE FROSTBITE IF ALLOWED TO COME IN CONTACT WITH SKIN. ALWAYS MAKE SURE THE CO<sub>2</sub> CAPSULE IS EMPTY BEFORE ATTEMPTING TO REMOVE IT FROM THE AIRGUN BY SLOWLY TURNING THE GAS CAPSULE PUNCTURE SCREW COUNTER-CLOCKWISE ALL THE WAY UNTIL YOU NO LONGER HEAR THE ESCAPE OF CO<sub>2</sub> GAS.

### 3B. Removing a CO<sub>2</sub> Capsule

- Put the air pistol "ON SAFE." (See **Step 2A**)
- Remove the BB magazine from the air pistol (see **Step 4A**)
- Turn the piercing knob on the bottom of the grip counterclockwise, until you hear gas start to escape, being careful not to come in contact with the escaping gas. Allow all the gas to escape.
- Continue turning the knob counterclockwise (**illustration 3**).
- Open the backstrap (**illustration 4**).
- Remove the CO<sub>2</sub> capsule.

## 4. Loading and Unloading Projectiles

### 4A. Loading BBs

- Put the airgun "ON SAFE." (See **Step 2A**)
- Point the airgun in a SAFE DIRECTION
- Remove the magazine by pressing the magazine release button (**illustration 6**)
- Locate the BB follower (**illustration 7**). Pull the BB follower down until it locks in place.
- Insert up to 19 BBs into the lower hole on the front of the magazine (**illustration 7**).
- Push the release at magazine bottom to release the follower.
- Insert the loaded magazine into the air pistol.
- Your gun is now loaded and ready to fire only after reading the entire manual, including section 9 on reviewing safety.



Illustration 6



Illustration 7



## CAUTION

USE ONLY .177 CALIBER (4,5 MM) STEEL BBS. DO NOT ATTEMPT TO REUSE BBS THAT HAVE BEEN FIRED OR ARE DEFORMED. DO NOT USE BUCK SHOT, DARTS, BALL BEARINGS, OR OTHER FOREIGN OBJECTS BECAUSE THEY CAN CAUSE INJURY TO YOU OR SOMEONE ELSE OR MAY DAMAGE AND/OR JAM THE AIRGUN.



## OPERATION

**⚠ WARNING:** NEVER ASSUME THAT BECAUSE THE AIRGUN NO LONGER FIRES A PROJECTILE AND/OR THE MAGAZINE IS REMOVED FROM THE GRIP FRAME THAT A PROJECTILE IS NOT LODGED IN THE BARREL. ALWAYS TREAT THE AIRGUN AS THOUGH IT IS LOADED AND WITH THE SAME RESPECT YOU WOULD A FIREARM.



### CAUTION

SHOOTS STEEL BBS ONLY!

#### 4B. Unloading BBs

- Put the airgun “ON SAFE” (See **Step 2A**)
- Point the airgun in a SAFE DIRECTION
- Remove the magazine by pressing down on the magazine release lever.
- Aim the air pistol in a SAFE DIRECTION, take it “OFF SAFE” (See **Step 2B**) and fire.
- Repeat this procedure several times until you are sure you are no longer firing BBs.

**NOTE:** The airgun must be charged with CO<sub>2</sub> when following these steps but remember, do not store your airgun with a CO<sub>2</sub> capsule in it (See **Step 3**).

**IMPORTANT:** Firing the airgun with too little gas pressure left may cause a BB to get stuck in the barrel.

#### 4C. Removing a Jammed BB

- Make sure the air pistol is “ON SAFE” (See **Step 2A**).
- Remove the magazine by pressing down on the magazine release button.
- Unload all of the BBs (See **Step 4B**).
- Remove the CO<sub>2</sub> capsule (See **Step 3B**).
- Insert a .177 caliber ramrod into the muzzle end of the barrel and carefully push the jammed BB into the breech. The barrel could be damaged and the warranty will be void if the proper sized ramrod is not used.
- Hold the air pistol upright and shake until the jammed BB falls out.
- If you are not able to unjam your air pistol by following this procedure, take no further action. Call Umarex USA (479)-646-4210 and ask for the service department.



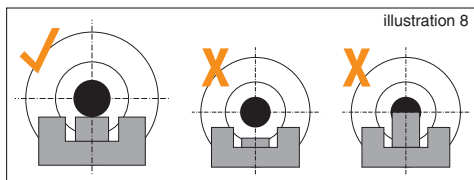


## OPERATION

**NOTE:** Many factors affect airgun performance and velocity, including brand of projectile, lubrication, barrel condition and temperature.

### 5. Aiming and Firing Safely

- You and others with you should always wear shooting glasses to protect your eyes.
- Always aim your air pistol in a SAFE DIRECTION. When you are sure of your target and backstop, and the area around the target is clear, take "OFF SAFE" (See **Step 2B**) and squeeze the trigger to fire.
- Do not shoot at hard surfaces or the surface of water. Projectiles may bounce off or ricochet and hit someone or something you had not intended to hit.
- Do not shoot at fragile surfaces such as glass or mirrors.
- Always choose your target carefully. Only targets which cannot be completely penetrated or which will not cause ricochets should be used.
- Your backstop should be checked for wear before and after each use. Replace your backstop if the surface is worn or damaged, or if a ricochet occurs.
- The air pistol is correctly aimed when the front sight blade is positioned exactly in the notch and even with the rear sight. The top of the front sight blade should be even with the top of the notch in the rear sight. The bullseye should appear to rest on the top of the front sight (See **illustration 8**).



### CAUTION

YOUR BACKSTOP SHOULD BE INSPECTED FOR WEAR BEFORE AND AFTER EACH USE. DISCONTINUE USE IF THE BACKSTOP SURFACE SHOWS SIGNS OF FAILURE. ALWAYS PLACE THE BACKSTOP IN A LOCATION THAT WILL BE SAFE SHOULD THE BACKSTOP FAIL. DISCONTINUE THE USE OF A BACKSTOP IF THE PROJECTILE REBOUNDS OR RICOCHETS.



## 6. Use and Handling of CO<sub>2</sub> Capsules

It is possible that certain conditions may affect a CO<sub>2</sub> capsule, which can impact its proper performance. These conditions include the usage, maintenance and storage at temperatures that are higher or lower than normal outdoors temperatures (60°-80° F/16°-27° C). Another condition may be when the gun is fired rapidly.

1. High temperatures can increase pressure in the CO<sub>2</sub> capsule and also within the gun, leading to higher than standard operating pressure. This excess pressure could cause the gun to malfunction or be permanently damaged. Maximum storage or operation temperature should never exceed 122°F (50°C). This temperature can be reached if you leave the gun under direct sunlight on a bright day. Thus, to ensure proper gun operation, do not expose it to high temperatures or direct sunlight for long periods of time. Otherwise, the CO<sub>2</sub> capsule could overheat and explode, which could damage the airgun and cause injuries or death to people around it.
2. Fast consecutive shooting may produce a decrease of temperature in the gun, as well as the CO<sub>2</sub> capsule. This could result in lower projectile velocities and may even lower gas pressure enough so that the pistol will not fire. This condition can be especially apparent when shooting in cold weather and can be avoided by allowing more time between shots. This permits the gas to increase in temperature and pressure and produce normal velocities.
3. During rapid fire, the muzzle velocity of each shot will diminish. This can affect shooting accuracy and you will get fewer shots per CO<sub>2</sub> capsule.
4. Care should be exercised to insure that the gun is not shot with a CO<sub>2</sub> capsule that is low in pressure. Here are some indicators of insufficient pressure:
  - A) The sound of the shot is not as loud as when the capsule is full.
  - B) The projectile hits the target, but in a lower position than it would with a full CO<sub>2</sub> capsule (that is, the shooting speed has dropped).



### CAUTION

NEVER ATTEMPT TO REUSE A CO<sub>2</sub> CAPSULE FOR ANY PURPOSE.



### CAUTION

ALWAYS CHECK TO MAKE SURE THE AIRGUN IS UNLOADED WHEN GETTING FROM STORAGE OR FROM ANOTHER PERSON.



## OPERATION

**⚠ WARNING:** CO<sub>2</sub> CAPSULES MAY EXPLODE AT TEMPERATURES ABOVE 122° F. DO NOT MUTILATE OR INCINERATE THEM. DO NOT EXPOSE THEM TO HEAT OR STORE CO<sub>2</sub> CAPSULES AT TEMPERATURES ABOVE 122°F.

### 7. Maintaining Your Airgun

With care and routine inspections your airgun will provide many sessions of shooting enjoyment. Abuse, neglect and continued exposure to the elements will impair the performance of any airgun. To ensure continued proper function, apply 1 to 2 drops of RWS Spring Cylinder oil onto all moving parts such as the BB follower, gas capsule piercing knob and the trigger hinge (1000 shots).



#### CAUTION

BEFORE ANY CARE, CLEANING OR MAINTENANCE, ALWAYS BE SURE YOUR AIRGUN IS UNLOADED. KEEP POINTED IN A SAFE DIRECTION. IT IS IMPORTANT TO PERFORM ROUTINE INSPECTIONS AND MAINTAIN YOUR AIRGUN PROPERLY.



#### CAUTION

OILS THAT CONTAIN ACID OR RESIN CAN DAMAGE SEALS AND POSSIBLY THE FINISH OF THE AIRGUN.

**⚠ WARNING:** AN AIRGUN THAT IS NOT OPERATING PROPERLY MAY BE DANGEROUS. IT SHOULD BE KEPT SAFELY FROM USE BY ANYONE UNTIL REPAIRED OR DESTROYED. DO NOT TRY TO TAKE THE AIRGUN APART. IT IS DIFFICULT TO REASSEMBLE AND IMPROPER DISASSEMBLY OR REASSEMBLY CAN CAUSE SERIOUS INJURY OR DEATH.

8. Trouble Shooting	Poor firing performance	Airgun does not function	Low velocity
CO <sub>2</sub> capsule is empty	●	●	●
CO <sub>2</sub> capsule is defective		●	
Extreme temperature	●		●
Incorrect projectiles	●	●	●



## 9. Reviewing Safety

- Always aim in a SAFE DIRECTION. Always keep the muzzle of the airgun pointed in a SAFE DIRECTION.
- Always keep your finger off the trigger and out of the trigger guard until ready to shoot.
- Never point the airgun at anything you do not intend to shoot.
- Always treat the airgun as though it is loaded and with the same respect you would a firearm.
- Never look down the barrel of an airgun.
- Always keep the airgun “ON SAFE” until you are ready to shoot.
- Always check to see if the airgun is “ON SAFE” and unloaded when getting it from another person or from storage.
- Use only the proper size and type of projectile as it is marked on the airgun.
- Never reuse ammunition.
- Do not shoot at hard surfaces or at the surface of water. The BB may bounce off or ricochet and hit someone or something you had not intended to hit.
- Do not shoot at fragile objects such as windows.
- Place the backstop in a location that will be safe should the backstop fail.
- Your backstop should be checked for wear before and after each use. All backstops are subject to wear and will eventually fail. Replace your backstop if the surface is worn or damaged or if a ricochet occurs.
- Do not attempt to disassemble or tamper with your airgun. Unauthorized repairs or modifying the function of your airgun in any way may be unsafe and will void your warranty.
- Before you store your airgun, make sure it is unloaded, the CO<sub>2</sub> capsule is removed, and is “ON SAFE.”
- Always store your airgun in a secure location away from unauthorized users and separate from ammunition.

**⚠ WARNING:** DO NOT BRANDISH OR DISPLAY THIS AIRGUN IN PUBLIC – IT MAY CONFUSE PEOPLE AND MAY BE A CRIME. POLICE AND OTHERS MAY THINK IT IS A FIREARM. DO NOT CHANGE THE COLORATION AND MARKINGS TO MAKE IT LOOK MORE LIKE A FIREARM. THAT IS DANGEROUS AND MAY BE A CRIME.



## CARE

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### CAUTION

THE COMPONENTS OF THIS AIRGUN WERE ENGINEERED AND MANUFACTURED TO DELIVER OPTIMUM PERFORMANCE. ANY MODIFICATION OR TAMPERING WITH AN AIR PISTOL MAY CAUSE A MALFUNCTION, VOID YOUR WARRANTY AND MAY MAKE IT UNSAFE TO USE. ANY CHANGE IN PERFORMANCE (SUCH AS A LOWERED TRIGGER PULL FORCE AND SHORTENED TRIGGER TRAVEL) INDICATES POSSIBLE MODIFICATION, TAMPERING AND/OR WEAR. SUCH AIR PISTOL SHOULD BE INSPECTED, REPLACED, OR PROPERLY REPAIRED BY ONLY QUALIFIED UMAREX USA PERSONNEL. ANY AIR PISTOL THAT HAS BEEN DROPPED SHOULD BE CHECKED BY QUALIFIED PERSONNEL TO ENSURE THAT ITS FUNCTION HAS NOT BEEN AFFECTED.